



100-442892-247

92-RF-4077

Attn: B. K. Thatcher

Pursuant to DOE, RFO's request dated March 16, 1992, habitat surveys were conducted on March 23 and March 31, 1992, to determine if areas impacted by five projects are potential habitat for the diluvium ladies' tresses (*Spiranthes diluvialis*). The five projects are as follows:

- The habitat survey results for the five projects are enclosed. Briefly, the findings are as follows:

- Monitoring station upgrades and installations: Stations GS05 and GS07 have suitable habitat for the plant, while stations GS01, GS02, GS04, GS06, GS08, GS11, GS12, GS13, and SW026 do not have suitable habitat for the plant. No action is taking place at GS03, and GS10 was inadvertently omitted during the investigation and will be evaluated at a later date.
- The sanitary landfill: The proposed landfill site does not have suitable habitat for the plant, but the access road crossing over McKay and Upper Church ditches, which will be improved as part of the landfill project, has suitable habitat. The alternate site was not investigated; however, it is also unsuitable because of it being a dry flat area in the same manner as the proposed site. The access road crossings over Woman Creek would be improved as part of the landfill project if this site is chosen over the preferred site. One of the crossings is proximate to the location of monitoring station GS05 which has suitable habitat.
- OU2 interim measure/interim remedial action: The seeps associated with this project were evaluated for potential habitat. Stations SW50, SW51, SW52, SW57, SW58, and SW65 have potential suitable habitat for the plant, while stations SW53, SW55, SW59, SW77, and SW103 do not have suitable habitat for the plant. Stations SW63 and SW64, which are not part of the OU2 project, also do not have suitable habitat for the plant.

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- Upgrades to Dams B-1 and B-3: A small area at the base of Dam B-1 has suitable habitat, while the outfall pipe at Dam B-3 is located in habitat unsuitable for the plant.
- Temporary monitoring stations: The installation of monitoring equipment (instrumentation mounted on a narrow fence post) should have negligible impacts on potential habitat, if habitat is present at the sites, i.e., not in competition with other species such as cattails.

Based on these findings, EG&G proposes to conduct formal surveys for the plant at the following locations: the access road crossings for both the proposed and alternate landfill sites; the base of Dam B-1; OU2 stations SW50, SW51, SW52, SW57, SW58, and SW65; and monitoring stations GS05, GS07, and GS10. These surveys will be completed during August, 1992.

Please contact S. M. Nesta at extension 8605, or R. C. Flory at extension 8680 if you have any questions.


J. E. Evered, Director
Environmental Management

SCM:bmb

Orig. and 1 cc - R. M. Nelson, Jr.

Enclosures:
As Stated (5)

cc:
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